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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/628,308	07/29/2003	Julie Hazel Campbell	229752001220 4466	
25227 7590 04/26/2007 MORRISON & FOERSTER LLP		EXAMINER		
1650 TYSONS	BOULEVARD		ISABELLA, DAVID J	
SUITE 400 MCLEAN, VA 22102		. •	ART UNIT	PAPER NUMBER
*			3738	
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SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE	
3 MO	NTHS	04/26/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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	Application No.	Applicant(s)				
Office Action Summan	10/628,308	CAMPBELL ET AL.				
Office Action Summary	Examiner	Art Unit				
	DAVID J. ISABELLA	3738				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 15 Fe	Responsive to communication(s) filed on <u>15 February 2007</u> .					
<u></u>	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) <u>35-48 and 50-56</u> is/are pending in the	application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.	· · · · · · · · · · · · · · · · · · ·					
6)⊠ Claim(s) <u>35-48 and 50-53</u> is/are rejected.	6)⊠ Claim(s) <u>35-48 and 50-53</u> is/are rejected.					
7)⊠ Claim(s) <u>54-56</u> is/are objected to.	7) Claim(s) <u>54-56</u> is/are objected to.					
8) Claim(s) are subject to restriction and/or	election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examine	r.					
10) The drawing(s) filed on is/are: a) □ acce	epted or b) \square objected to by the E	Examiner.				
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correcti	ion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:						
_	1. Certified copies of the priority documents have been received.					
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 						
application from the International Bureau		a in the Hational Stage				
* See the attached detailed Office action for a list of the certified copies not received.						
	·					
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary					
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P					
Paper No(s)/Mail Date 6) Other:						

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Status of the Claims

Applicant's request for continued examiner filed on 2/15/2007, and claims 35-48,50-56 are pending. Claims 35 and 36 have been amended to include the limitation of "and grafting tissue into a recipient". Claim 49 has been cancelled.

Response to Arguments

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 35-56 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Ketharanathan [4319363].

Ketharanathan discloses fabricating a surgical graft produced by implanting a rod or tube in a host and growing collagenous tissue forming a coherent tubular wall of collagenous tissue. The implant is removed from the host and the collagenous tissue is remvoved from the rod or tube, treated and used as a vascular prosthesis.

Vascular prosthesis suitable for use as a surgical graft is produced by implanting a rod or tube in a living host animal such as a sheep and allowing collagenous tissue to grow on the implant to form a coherent tubular wall of collagenous tissue. The implant is subsequently removed and the tubular wall of collagenous tissue is stripped from the rod or tube and tanned in glutaralde-

hyde to serve as a vascular prosthesis.

While Ketharanathan does not specifically recite myofibroblasts forming on the molding support, it is well known in the art that myofibroblasts cells are precursors to collagen tissues especially type 1 collagen.

Claims 36 and 37, as broadly worded read on the removal and separation of the implant from the rod/tube of Ketharanathan.

Claim 39, the rod/tube is placed within a cavity of the body by surgical implantation.

Claims 45-48, the tissue formed on the device would be tubular in form and could be used in the manner as set forth in claims 45-48.

Claims 50-52, the tissue is autologous and the rod can be placed in the peritoneal cavity

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 40 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of DeVore et al [4713446].

Claim 40, to prevent adhesion of tissue to the collagen mesothelial cells may cover the tissue of Ketharanathan as taught by DeVore et al. See column 16, lines 20+.

20 In order to prevent adhesion formation between two endothelial or connective tissue membranes, certain coilagen solutions could be implanted between mesothelial, pericardial and pleural sheets.

Claim 41 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of Tranquillo et al [6666886].

The use of biodegradable matrix for growing new tissue thereon is taught by Tranquillo et al. Such use in place of non-resorbable matrix offers the ability for ease of removal of the implant after a predetermined period of time without causing trauma to the neo-tissue that comprise the implant.

Claims 42-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of Sparks [3938524].

Claims 42-43, see materials used for molding rod/tube as taught by Sparks [3938524].

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Claim 53 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ketharanathan [4319363] as applied to claim 35 above, and further in view of either of Dardik et al [3894530] or Bruchman et al [5584876].

The use of freezing or lyophilizing tissue to preserve and store the tissue prior to implantation is well known in the art as taught by each of Dardik et al and Bruchman et al. To use freezing technique to preserve and store the tissue derived from ketharanathan prior to implantation would have been obvious to one with ordinary skill in the art from the teachings of either of Dardik et al and Bruchman et al.

Allowable Subject Matter

Claims 54-56 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DAVID J. ISABELLA whose telephone number is 571-272-4749. The examiner can normally be reached on MONDAY-FRIDAY.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, CORRINE MCDERMOTT can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> DAVID (J ISABELLA Primary Examiner Art Unit 3738

DJI 4/16/2007